

Title (en)
STEEL SHEET FOR HIGH-STRENGTH LINE PIPE HAVING EXCELLENT LOW TEMPERATURE TOUGHNESS, AND STEEL TUBE FOR HIGH-STRENGTH LINE PIPE

Title (de)
STAHLBLECH FÜR HOCHFESTES LEITUNGSROHR MIT HERVORRAGENDER TIEFTEMPERATURZÄHIGKEIT UND STAHLROHR FÜR HOCHFESTES LEITUNGSROHR

Title (fr)
TÔLE D'ACIER POUR TUYAU DE CANALISATION À HAUTE RÉSISTANCE AYANT UNE EXCELLENTE TÉNACITÉ À BASSE TEMPÉRATURE ET TUBE EN ACIER POUR TUYAU DE CANALISATION À HAUTE RÉSISTANCE

Publication
EP 3124639 A4 20171115 (EN)

Application
EP 15770365 A 20150325

Priority
• JP 2014070279 A 20140328
• JP 2015059122 W 20150325

Abstract (en)
[origin: EP3124639A1] Provided is a steel plate for a high-strength line pipe with excellent low temperature toughness that can ensure a high critical CTOD value even though separation occurs, and can be easily manufactured at low cost. In the steel plate for a high-strength line pipe, its chemical composition is adjusted appropriately, an average grain size of the steel plate is 10 µm or less in a t/4 position where t is a thickness of the steel plate, and a separation index SI measured on a fracture surface of a Charpy specimen of the steel plate at a specified temperature exceeds 0 mm/mm² and is equal to or less than 0.30 mm/mm².

IPC 8 full level
C22C 38/00 (2006.01); **C21D 8/02** (2006.01); **C21D 8/10** (2006.01); **C22C 38/14** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)
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Citation (search report)
• [E] EP 2980238 A1 20160203 - KOBE STEEL LTD [JP]
• [E] EP 3018231 A1 20160511 - KOBE STEEL LTD [JP]
• See references of WO 2015147055A1

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